

ABSTRACT OF THE INVENTION

Disclosed is an apparatus for and a method of filtering noise from a mixed sound signal to obtained a filtered target signal, comprising the steps of inputting (100) the mixed signal through a pair of microphones (10) into a first channel (15a) and a second channel (15b),
5 separately Fourier transforming (110) each said mixed signal into the frequency domain, computing (130) a signal short-time spectral amplitude $|\hat{S}|$ from said transformed signals, computing (140) a signal short-time spectral complex exponential $e^{i \arg(S)}$ from said transformed signals, where $\arg(S)$ is the phase of the target signal in the frequency domain, computing (150) said target signal S in the frequency domain from said spectral amplitude and said complex exponential.

Figure 1 is the representative drawing.